

以太网模块

主控系统

电源

CO2模块

蜂鸣器

WIFI

PM2.5

指示灯

可燃气

CO模块

温湿度模块

蓝牙模块

液晶屏

Title	Number	Revision
A2		
Date: 2014-10-29	Sheet of	
File: E:\Alumni\ADJ\...室内空气质量监测Schematic Diagram		

PM2.5

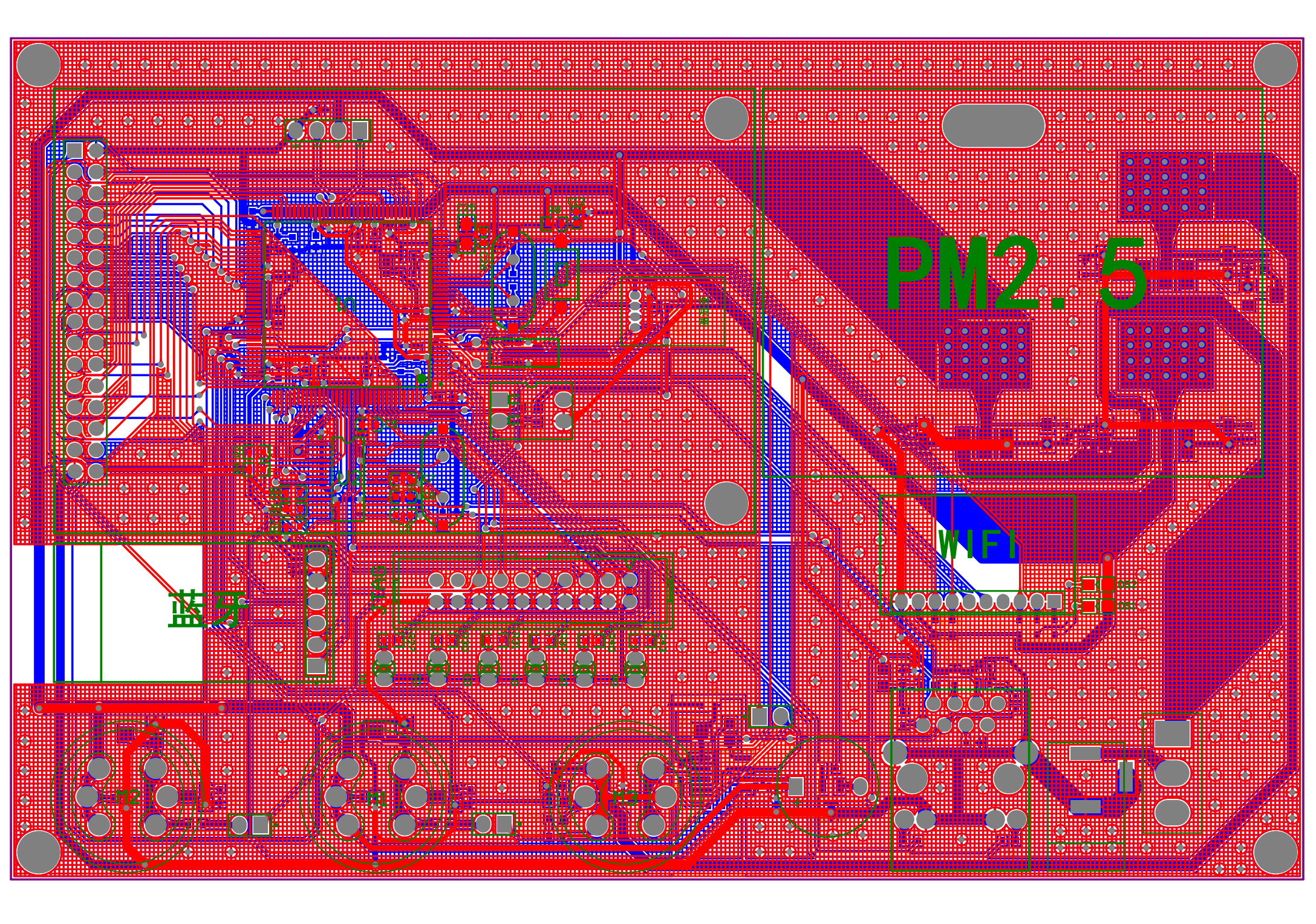
WiFi

蓝牙

72

71

73



Comment	Description	Designator	Footprint	LibRef	Quantity
Cap Pol2	Polarized Capacitor (Axial)	C1, C40, C41, C46, C47, C51, C52	0805C 10uf	Cap Pol2	7
22PF	Capacitor	C2, C3	0603C	Cap	2
20PF		C4, C11	0603P	C	2
0.1UF	Capacitor	C5, C6, C7, C8, C9, C10, C13, C15, C17, C19, C20, C23, C24, C39, C42, C43, C44, C45, C48, C49, C50, C53	0603C	Cap	22
0.1U		C12, C18, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38	0603P	C	15
6PF		C14, C16	0603P	C	2
2.2U		C21, C22	0603P	C	2
	Polarized Capacitor (Axial)	C25	0805	Cap Pol2	1
	Typical RED, GREEN, YELLOW, AMBER GaAs LED	D1, D2, D3, D4, D5, D6	LED0.1-0.15	LED	6
	Typical RED, GREEN, YELLOW, AMBER GaAs LED	DS1, DS2	SMDLED	LED2	2
OR	resistor	F1, F2, F3, F4, F5	0603R	R-10K	5
	2-Conductor Jack with 1 break contact	J1	PWJ-2/3	Powerjack_F	1
Header 2X16	Header, 16Pin, Dual row	JP1	HDR2-16	Header 2X16	1
Header 6	Header, 6-Pin	JP2	HDR1-6	Header 6	1
	Header, 2-Pin	JP3, JP4, JP7	HDR1-2	Header 2	3
Header 10	Header, 10-Pin	JP5	header 10 2.0	Header 10	1
Header 4	Header, 4-Pin	JP6	HDR1-4	Header 4	1
JTAG		JTAG	JTAG_20	JTAG	1
10UH		L1	0603L	INDUCTOR	1
HR911105A		LAN1	HR911105A	HR911105A	1
MQ7	MG811	M1	MG811	MG811	1
MQ5	MG811	M2	MG811	MG811	1
MG811	MG811	M3	MG811	MG811	1
SI2302	N-Channel MOSFET	Q1, Q2, Q4	SOT23	SI2302 A2SHB	3
9012_SOT23		Q3	SOT-23-3L	9012_SOT23	1
	Resistor, Resistor, Resistor, Resistor, Resistor, Resistor, Resistor, Resistor, Resistor, Resistor, Resistor, Resistor, Resistor, Resistor, Resistor, Resistor, Resistor, Resistor, Resistor, [NoValue], Resistor, Resistor, Resistor, Resistor, Resistor, Resistor,	R1, R2, R3, R4, R5, R6, R7, R11, R12, R13, R14, R16, R17, R19, R20, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R39, R40, R41, R43, R101	0603R	Res, Varistor, Res, Res, Res, Res, Res, Res, Res, Res	32
100K	resistor	R8, R9, R18, R24, R25, R42	0603R	R-10K	6
10M	resistor	R10, R15	0603R	R-10K	2
10K	resistor	R21, R38	0603R	R-10K	2
RES-Pot2	Potentiometer	R22, R23, R44, R100	电位器 贴片	RES-Pot2	4
	Switch	S1	两脚贴片按键	SW-PB_1	1
SW-DIP2	DIP Switch,2-bit	S2	SW-DIP-2	SW-DIP2	1
SW-SPDT	Single-Pole, Double- Throw Switch	S3	大电流拨动开关 两档三脚	SW-SPDT	1
STM32F407ZET6	STM32F407ZET6	U1	LQFP144	STM32F407ZET6	1
ENC28J60		U2	SSOP28	ENC28J60	1
LM1084 3.3V TO-263		U3	LM1084 TO-263	LM1084 TO-263	1
LM1084 5V TO-263		U4	LM1084 TO-263	LM1084 TO-263	1
CA3140A		U5	SOP8	CA3140A	1
LM1084 ADJ		U6	LM1084 TO-263	LM1084 TO-263	1
AM2321	AM2321	U? 1	AM2321	AM2321	1
25MHz	Crystal Oscillator	Y1	XTAL_US	XTAL	1
12MHz	Crystal Oscillator	Y2	XTAL_US	XTAL	1
	Crystal Oscillator	Y3	BCY-W2/32.768KHz	XTAL	1
蜂鸣器	Buzzer	蜂鸣器1	BELL0.3-0.46	Buzzer	1